

Amendments to the Claims:

1. (Currently Amended) An apparatus comprising:

a monitor configured to monitor at least one parameter related to an active connection between a mobile station and a support node, wherein the support node is within a core network of a cellular communications network, said at least one parameter comprising an indication of user activity; and

a determining unit configured to determine whether the connection between said support node and said mobile station is to be released based solely on said at least one parameter monitored by said monitor,

wherein the apparatus is configured to cause the connection between the mobile station and the support node to be established, and further configured to cause the connection to be released when in an instance in which there is user inactivity for a predetermined period of time by causing transmission of a release message to an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection, and

wherein the apparatus is external to the core network of the cellular communications network.

2-3. (Cancelled)

4. (Previously Presented) The apparatus as claimed in claim 1, wherein said apparatus is further configured to cause sending of a message to the support node indicating that said connection has been released.

5. (Currently Amended) The apparatus as claimed in claim 1, wherein being configured to cause transmission of a release message includes being configured to said apparatus is further configured to cause sending of a release request for the connection to be released to said mobile station.

6. (Currently Amended) The apparatus as claimed in claim 5, wherein the apparatus is further configured to:

~~receive support node is configured to send a connection release command to said apparatus in response to at least the release message received by said apparatus; and wherein said apparatus is further configured to~~

control the release of said connection.

7. (Currently Amended) The apparatus as claimed in claim 6, wherein said apparatus is further configured to cause sending of a the release request to said mobile station in response to the release command received from said support node.

8. (Previously Presented) The apparatus as claimed in claim 7, wherein said apparatus is further configured to cause sending of a message to said support node advising that the connection has been released.

9. (Currently Amended) An apparatus comprising:

a monitor configured to monitor at least one parameter related to an active connection between a mobile station and a support node, wherein the support node is within a core network of the cellular communications network, said at least one parameter comprising an elapsed time since a last use of the connection; and

a determining unit configured to determine whether the connection between said support node and said mobile station is to be released based solely on said at least one parameter monitored by said monitor,

wherein the apparatus is configured to cause the connection between the mobile station and the support node to be established, and further configured to cause the connection to be released when in an instance in which the connection has not been used for a predetermined time by causing transmission of a release message to an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection, and

wherein the apparatus is external to the core network of the cellular communications network.

10. (Previously Presented) The apparatus as claimed in claim 9, wherein the predetermined time depends on the type of traffic for which the connection is intended.

11. (Previously Presented) The apparatus as claimed in claim 9, wherein the predetermined time depends on the quality of service profile of the traffic for which the connection is intended.

12. (Currently Amended) An apparatus comprising:

a monitor configured to monitor at least one parameter related to an active connection between a mobile station and a support node, wherein the support node is within a core network of a cellular communications network, said at least one parameter comprising a state of said mobile station; and

a determining unit configured to determine whether the connection between said support node and said mobile station is to be released based ~~solely~~ on said at least one parameter monitored by said monitor,

wherein the apparatus is configured to cause the connection between the mobile station and the support node to be established, and further configured to cause the connection to be released based on the state of the mobile station by causing transmission of a release message to an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection, and

wherein the apparatus is external to the core network of the cellular communications network.

13. (Currently Amended) An apparatus comprising:

a monitor configured to monitor at least one parameter related to an active connection between a mobile station and a support node, wherein the support node is within a core network of a cellular communications network, said at least one parameter comprising an indication of a movement of the mobile station; and

a determining unit configured to determine whether the connection between said support node and said mobile station is to be released based ~~solely~~ on said at least one parameter monitored by said monitor,

wherein the apparatus is configured to cause the connection between the mobile station and the support node to be established, and further configured to cause the connection to be released based on the movement of the mobile station by causing transmission of a release message to an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection, and

wherein the apparatus is external to the core network of the cellular communications network.

14. (Previously Presented) The apparatus as claimed in claim 13, wherein an amount of updating information received in a given time from the mobile station is used as a measure of the movement of the mobile station.

15. (Previously Presented) The apparatus as claimed in claim 14, wherein said updating information comprises universal mobile telecommunication systems terrestrial radio access network registration area updates.

16. (Currently Amended) An apparatus comprising:
a monitor configured to monitor at least one parameter related to an active connection between a mobile station and a support node, wherein the support node is within a core network of a cellular communications network, said at least one parameter comprising a location of the mobile station; and

a determining unit configured to determine whether the connection between said support node and said mobile station is to be released based ~~solely~~ on said at least one parameter monitored by said monitor,

wherein the apparatus is configured to cause the connection between the mobile station and the support node to be established, and further configured to cause the connection to be released based on the location of the mobile station by causing transmission of a release message

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to an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection, and

wherein the apparatus is external to the core network of the cellular communications network.

17. (Currently Amended) The apparatus as claimed in claim 16, wherein said at least one parameter comprises associations of the mobile station with different apparatus, and said determining unit being further configured to determine that the connection should be released whenin an instance in which said monitor indicates that the mobile station is associated with a different apparatus.

18. (Cancelled)

19. (Currently Amended) A cellular communications network, comprising: an-the apparatus as claimed in claim 1, atthe mobile station and atthe support node.

20. (Cancelled)

21. (Previously Presented) The cellular communications network as claimed in claim 19, wherein said support node is a serving general packet radio service support node.

22. (Previously Presented) The cellular communications network as claimed in claim 19, wherein said network operates in accordance with a universal mobile telecommunication systems standard.

23. (Currently Amended) The apparatus as claimed in claim 108, wherein said apparatus is further directed to econfigured to cause sending of a message to the support node indicating that saidadvising that the connection has been released.

24-76. (Cancelled)

77. (Currently Amended) A cellular communications network, comprising: an-the apparatus as claimed in claim 108, atthe mobile station and atthe support node.

78. (Cancelled)

79. (Currently Amended) A cellular communications network, comprising:
~~an~~the apparatus as claimed in claim 4, ~~a~~the mobile station and ~~a~~the support node.

80. (Currently Amended) A cellular communications network, comprising:
~~an~~the apparatus as claimed in claim 5, ~~a~~the mobile station and ~~a~~the support node.

81. (Currently Amended) A cellular communications network, comprising:
~~an~~the apparatus as claimed in claim 6, ~~a~~the mobile station and ~~a~~the support node.

82. (Currently Amended) A cellular communications network, comprising:
~~an~~the apparatus as claimed in claim 7, ~~a~~the mobile station and ~~a~~the support node.

83. (Currently Amended) A cellular communications network, comprising:
~~an~~the apparatus as claimed in claim 8, ~~a~~the mobile station and ~~a~~the support node.

84. (Currently Amended) A cellular communications network, comprising:
~~an~~the apparatus as claimed in claim 9, the ~~a~~-mobile station and the ~~a~~-support node.

85. (Currently Amended) A cellular communications network, comprising:
the ~~an~~ apparatus as claimed in claim 10, the ~~a~~-mobile station and the ~~a~~-support node.

86. (Currently Amended) A cellular communications network, comprising:
the ~~an~~ apparatus as claimed in claim 11, the ~~a~~-mobile station and the ~~a~~-support node.

87. (Currently Amended) A cellular communications network, comprising:
the ~~an~~ apparatus as claimed in claim 12, the ~~a~~-mobile station and the ~~a~~-support node.

88. (Currently Amended) A cellular communications network, comprising:
the ~~an~~ apparatus as claimed in claim 13, the ~~a~~-mobile station and the ~~a~~-support node.

89. (Currently Amended) A cellular communications network, comprising:

the An-apparatus as claimed in claim 14, the a-mobile station and the a-support node.

90. (Currently Amended) A cellular communications network, comprising:
the an-apparatus as claimed in claim 15, the a-mobile station and the a-support node.

91. (Currently Amended) A cellular communications network, comprising:
the an-apparatus as claimed in claim 16, the a-mobile station and the a-support node.

92. (Currently Amended) A cellular communications network, comprising:
the an-apparatus as claimed in claim 17, the a-mobile station and the a-support node.

93-95. (Cancelled)

96. (Previously Presented) The cellular communications network as claimed in claim 21, wherein said cellular communications network operates in accordance with a universal mobile telecommunication systems standard.

97. (Currently Amended) An apparatus,A method, comprising:
monitoring a monitor configured to monitor at least one parameter related to an active connection between a mobile station and a support node, wherein the support node is within a core network of a cellular communications network, said at least one parameter comprising an indication of user activityat least one of a state of the mobile station, a movement of the mobile station, or an amount of communications between the mobile station and a radio network controller; and

determining, at a network entity that is external to the core network of the cellular communications network, a determining unit configured to determine whether the connection between said support node and said mobile station is to be released based solely on said at least one parameter monitored by said monitor; and

causing wherein the apparatus is configured to cause the connection between the mobile station and the support node to be established, and further configured to cause the connection to be released based on said at least one parameter by causing transmission of a release message to

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an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection, and
~~wherein the apparatus is external to the core network of the cellular communications network.~~

98. (Currently Amended) An apparatus, comprising: a processor and at least one memory including computer program code, the at least one memory and the computer program code configured to, with the processor, cause the apparatus at least to: ~~configured to monitor at least one parameter of related to an active connection established between a mobile station and a support node, wherein the support node is within a core network of a cellular communications network, said at least one parameter comprising a state of said mobile station; and to~~

determine whether the connection between said support node and said mobile station is to be released based ~~solely~~ on said at least one parameter; and

~~wherein the apparatus is implemented in the cellular communication network,~~
~~wherein said apparatus is configured to cause the connection between the mobile station and the support node to be established, and further configured to cause the connection to be released based on said at least one parameter by causing transmission of a release message to an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection, and~~

~~wherein the apparatus is external to the core network of the cellular communications network.~~

99. (Currently Amended) A method, comprising:
~~directing establishment of an active connection between a mobile station and a support node in a cellular communications network through a radio network controller;~~
~~monitoring, at the radio network controller, at least one parameter related to the an active connection between the a mobile station and the a support node, wherein the support node is within a core network of a cellular communications network, said at least one parameter comprising a state of said mobile station;~~

determining, at the radio network controller a network entity that is external to the core network of the cellular communications network, whether the connection between said support node and said mobile station is to be released based solely on said at least one parameter; and directing causing the connection to be released releasing, by the radio network controller, of the connection between said support node and said mobile station based on said at least one parameter by causing transmission of a release message to an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection;

wherein the support node is within a core network of a cellular communications network, and

wherein the radio network controller is external to the core network of the cellular communications network.

100. (Previously Presented) The apparatus of claim 98, wherein said support node is a serving general packet radio service support node.

101. (Cancelled)

102. (Currently Amended) The apparatus as claimed in claim 1, wherein said apparatus is further configured to cause releasing of the connection between the apparatus support node and said mobile station dependent solely on only one parameter monitored by said monitor.

103. (Currently Amended) The method as claimed in claim 99, wherein said at least one parameter comprises user activity, and determining whether the connection is to be released includes determining whether the connection is to be released based solely on only one parameter monitored said connection when there is user inactivity for a predetermined period of time.

104. (Cancelled)

105. (Previously Presented) The method as claimed in claim 99, wherein the monitoring comprises monitoring only one parameter related to the connection between the mobile station and the support node, and wherein the determining comprises determining to release the connection between a network element and said mobile station based solely on the only one monitored parameter.

106. (Currently Amended) An apparatus comprising:
monitoring means for monitoring at least one parameter related to an active connection between a mobile station and a support node, wherein the support node is within a core network of a cellular communications network, said at least one parameter comprising an elapsed time since a last use of the connection; and
determining means for determining whether the connection between said support node and said mobile station is to be released based solely on said at least one parameter monitored by said monitoring means,

wherein the apparatus is configured to cause the connection between the mobile station and the support node to be established, and further configured to cause the connection to be released when in an instance in which the connection has not been used for a predetermined time by causing transmission of a release message to an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection, and

wherein the apparatus is external to the core network of the cellular communications network.

107. (Currently Amended) An apparatus comprising:
monitoring means for monitoring at least one parameter related to an active connection between a mobile station and an support node, said at least one parameter comprising a state of said mobile station; and wherein the support node is within a core network of a cellular communications network,

determining means for determining whether the connection between said support node ~~said and~~ said mobile station is to be released based ~~solely~~ on said at least one parameter monitored by said monitoring means,

wherein the apparatus is configured to cause the connection between the mobile station and the support node to be established, and further configured to cause the connection to be released based on the state of the mobile station by causing transmission of a release message to an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection, and

wherein the apparatus is external to the core network of the cellular communications network.

108. (Currently Amended) An apparatus comprising a processor and a memory including computer program code, the memory and the computer program code configured to, with the processor, cause the apparatus at least to:

monitor monitoring means for monitoring at least one parameter related to an active connection between a mobile station and an a support node, wherein the support node is within a core network of a cellular communications network, said at least one parameter comprising an indication of user activity-movement of the mobile station; and

determine determining means for determining whether the connection between said support node and said mobile station is to be released based ~~solely~~ on said at least one parameter monitored by said monitoring means;

wherein the apparatus is configured to cause the connection between the mobile station and the support node to be established, and further configured to cause the connection to be released in an instance in which there is user inactivity for a predetermined period of time based on the movement of the mobile station by causing transmission of a release message to an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection; and

wherein the apparatus is external to the core network of the cellular communications network.

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109. (Currently Amended) An apparatus comprising:
monitoring means for monitoring at least one parameter related to an active connection between a mobile station and an support node, wherein the support node is within a core network of a cellular communications network, said at least one parameter comprising a location of the mobile station; and
determining means for determining whether the connection between said support node and said mobile station is to be released based ~~solely~~ on said at least one parameter monitored by said monitoring means,
wherein the apparatus is configured to cause the connection between the mobile station and the support node to be established, and further configured to cause the connection to be released based on the location of the mobile station by causing transmission of a release message to an entity within the core network of the cellular communications network, the release message comprising an indication of the reason for releasing the connection, and
wherein the apparatus is external to the core network of the cellular communications network.

110. (Currently Amended) A computer readable storage medium encoded with instructions that, if executed by a computer, perform a process, the process comprising:
directing establishment of an active connection between a mobile station and an support node in a communication network through a radio network controller;
monitoring, at the radio network controller, at least one parameter related to the connection between the mobile station and the support node;
determining, at the radio network controller, whether the connection between said support node and said mobile station is to be released based ~~solely~~ on said at least one parameter; and
directing releasing, by the radio network controller, of the connection between said support node and said mobile station based on said at least one parameter by causing transmission of a release message to an entity within the core network of the cellular

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communications network, the release message comprising an indication of the reason for releasing the connection,

wherein the support node is within a core network of the cellular communications network, and

wherein the radio network controller is external to the core network of the cellular communications network.

111. (Currently Amended) The computer readable storage medium as claimed in claim 110, wherein said at least one parameter comprises user activity, and determining to release said connection whenin an instance in which there is user inactivity for a predetermined period of time.

112. (Cancelled)

113. (Previously Presented) The computer readable storage medium as claimed in claim 110, wherein the monitoring comprises monitoring only one parameter related to the connection between the mobile station and the support node, wherein the determining comprises determining to release the connection between a network element and said mobile station based solely on the only one monitored parameter.

114. (Previously Presented) The apparatus of claim 1, wherein the apparatus is a radio network controller.

115. (Previously Presented) The apparatus of claim 9, wherein the apparatus is a radio network controller.

116. (Previously Presented) The apparatus of claim 12, wherein the apparatus is a radio network controller.

117. (New) The method as claimed in claim 97, further comprising causing a message to be sent to the support node indicating that said connection has been released.

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118. (New) The method as claimed in claim 97, wherein causing transmission of the release message includes causing transmission of the release message to said mobile station as a request for the connection to be released.

119. (New) The method as claimed in claim 97, further comprising:
receiving a connection release command from the support node in response to at least the release message; and
controlling the release of said connection.